# PCT

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| | | |
|---|---|---|
| (51) International Patent Classification 7 : G10L 15/26 | A1 | (11) International Publication Number: **WO 00/58946** |
| | | (43) International Publication Date: 5 October 2000 (05.10.00) |

(21) International Application Number: PCT/EP00/01975

(22) International Filing Date: 7 March 2000 (07.03.00)

(30) Priority Data:
99200950.6    26 March 1999 (26.03.99)    EP
99203342.3    12 October 1999 (12.10.99)    EP

(71) Applicant *(for all designated States except US)*: KONIN-KLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groe-newoudseweg 1, NL–5621 BA Eindhoven (NL).

(71) Applicant *(for DE only)*: PHILIPS CORPORATE INTELLEC-TUAL PROPERTY GMBH [DE/DE]; Habsburgerallee 11, D–52066 Aachen (DE).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: THELEN, Eric [DE/US]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL). BESLING, Stefan [DE/US]; Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(74) Agent: GROENENDAAL, Antonius, W., M.; Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL–5656 AA Eindhoven (NL).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

**Published**
*With international search report.*

---

(54) Title: CLIENT–SERVER SPEECH RECOGNITION

(57) Abstract

A distributed speech recognition system (300) includes at least one client station (330) and a server station (310) connected via the public Internet (350). The client station (330) includes means (331) for receiving the speech input signal from a user. A speech controller (335) directs at least part of the speech input signal to a local speech recognizer (334). The, preferably limited, speech recognizer (334) is capable of recognizing at least part of the speech input, for instance a spoken command for starting full recognition. In dependence on the outcome of the recognition, the speech controller (335) selectively directs a part of the speech input signal via the public Internet (350) to the server station (310). The server station (310) includes means (312) for receiving the speech equivalent signal from the public Internet and a large/huge vocabulary speech recognizer (314) for recognizing the received speech equivalent signal.